

Well Construction Details

Top of PVC Casing
Elev. **458.89 ft.**

GROUND SURFACE

2" DIA. BOREHOLE: to 24.5 ft.

BENTONITE-CEMENT SEAL: 0 to 2.5 ft.

3/4" DIA. SCHED. 40 PVC CASING: +2 to 4.5 ft.

PRE-FABRICATED BENTONITE SEAL: 2.5 to 4.5 ft.

PRE-FABRICATED FILTER PACK: 4.5 to 24.5 ft.

PRE-FABRICATED 3/4" DIA. SLOTTED CASING: 4.5 to 24.5 ft.

BOTTOM WELL CAP: 24.5 ft.
Well casing installed to 24.5 ft. BGS

Recovery (inches)
PID Reading (ppm)

| | |
|----|---|
| 48 | 0 |
| 48 | 0 |
| 48 | 4 |
| 48 | 9 |
| 48 | 0 |
| 48 | 4 |
| 48 | 0 |
| 48 | 0 |
| 48 | 4 |
| 6 | 0 |

Date 7/19/06

Driller Rhino Rig

Drilling Method Direct Push

Sampler Clear Liners

Hammer Weight NA Drop NA

Logged by Datum

Surface Elevation 456.23 Hole Dia. 2 in.

Northing 505399.492 Easting 1237550.519

Depth (ft.)
Sample

| | |
|------------|--|
| 0 | Very Dark Gray Sandy Lean Clay with Gravel (CL) (5Y 3/1) Medium stiff, dry, 65% clay, 20% fine to coarse sand, 15% angular gravel (fill) |
| 5 | Very Dark Gray Lean Clay with Sand (CL) (5Y 3/1) Medium stiff, dry, 80% clay 15% fine to coarse sand, 5% angular gravel (fill) |
| 10 | Olive Gray Gravelly Lean Clay with Sand (CL) (5Y 4/2) Medium stiff, dry, 50% clay, 30% angular gravel, 20% fine to coarse sand (fill) |
| 15 | Olive Gray Sandy Lean Clay (CL) (5Y 4/2) Medium stiff, dry, 70% clay, 20% sand, 10% gravel (fill) |
| 20 | Very Dark Gray Sandy Lean Clay with Gravel (CL) (5Y 3/1) Medium stiff, dry to moist, 55% clay, 30% fine to coarse sand, 15% angular mudstone gravel (fill) |
| @18.5 ft.: | Change to Soft, dry to very moist |
| 24.5 | Very Dark Gray Sandy Lean Clay (CL) (5Y 3/1) Soft, wet, 50% clay, 40% fine to coarse sand, 10% angular gravel (fill) |
| 24.5 | Light Olive Brown Lean Clay (CL) (2.5Y 5/3) Very stiff, dry, 90% clay, 10% silt, iron oxide staining |
| 24.5 | Refusal at 24.5 feet. |

BORING_WELL2_CASMLIARIFS.GPJ GEOL.GDT 12/13/10

Well Construction Details and Log of Boring RIPZ-32

Final Remedial Investigation Report
Casmalia Resources Superfund Site
Casmalia, California

PLATE

E9-42

DRAWN

JOB NUMBER

CHECKED

CHCK'D DATE

APPROVED

APPR'D DATE

WJF

4088097619

WJF

1/11

WBC

1/11